



Las Vegas Fire & Rescue Fire Prevention Division Information Sheet



Effective Date: July 1 2014

CLV Ordinance #6325

The items listed are basic information only. Codes are subject to change. Additional requirements may apply.

Woodworking Facilities

An operational permit is required for those operations producing combustible dust. **IFC 105.6.6**

An operational permit is required to store chips, hogged material, lumber or plywood in excess of 200 ft³. **IFC 105.6.46**

No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a certificate of occupancy. **IBC 111.1**

Trash containers with a capacity exceeding 40 gallons shall be provided with lids. Containers and lids shall be constructed of noncombustible materials or of combustible materials with a peak rate of heat release not exceeding 300 kW/m². **IFC 304.3.2**

An approved fire safety and evacuation plan shall be prepared and maintained. **IFC 404.2**

Emergency evacuation drills shall be conducted at least annually or when required by the *fire code official*. **IFC 405.1**

Records complying with IFC 405.5 shall be maintained of required emergency evacuation drills.
IFC 405.5

Where a fire alarm system is provided, emergency evacuation drills shall be initiated by activating the fire alarm system. **IFC 405.7**

An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain woodworking operations in excess of 2,500 feet² in area which generate finely divided combustible waste or which use finely divided combustible materials. **IFC 903.2.4.1**

Equipment or machinery located inside buildings that generates or emits combustible dust shall be provided with an approved dust collection and exhaust system installed in accordance with Chapter 22 and the *International Mechanical Code*. **IFC 2803.2**



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Dust collection systems shall be in operation whenever equipment connected to the system for the control of fugitive dust is processing wood stock. **NFPA 664 section 8.2.2.1.4**

Ductwork shall be metallic, nonconductive ducts such as PVC pipes shall not be permitted.
NFPA 664 section 8.2.2.2.1.1

Provisions shall be made for a systematic and thorough cleaning of the entire plant at sufficient intervals to prevent the accumulations of combustible dust and spilled combustible or flammable liquids. **IFC 2803.3.1**

Accumulated combustible dust shall be collected by vacuum cleaning or other means that will not place combustible dust into suspension in air. Forced air or similar methods shall not be used to remove dust from surfaces. **IFC 2203.2**

Surfaces not readily accessible for cleaning should be inclined at an angle of not less than 45° from the horizontal to minimize dust accumulation. **NFPA 664 A6.4.1**

Static electricity shall be prevented from accumulating on machines and equipment subject to static electricity buildup by permanent grounding and bonding wires or other approved means.
IFC 2803.5.2

Where smoking constitutes a fire hazard, the *fire code official* is authorized to order the owner or occupant to post approved "NO SMOKING" signs. The fire code official is authorized to designate specific locations where smoking is allowed. **IFC 2803.5.3**

Portable fire extinguishers or standpipes and hose supplied from an approved water system shall be provided within 50 feet of travel distance to any machine producing shavings or sawdust. Portable fire extinguishers shall be provided for extra-high hazards. **IFC 2804.3**

Portable fire extinguishers shall be provided in accordance with the *International Fire Code* Section 906 for extra-high hazards. Minimum size 4A:40B, one per 1000 ft² with the travel distance not to exceed 30 feet. **IFC 906.3.1 , Table 906.3(1) & Table 906.3(2)**

Las Vegas Fire & Rescue
Fire Prevention Division
(702)229-0366
www.lasvegasnevada.gov/LawsCodes/fire_code.asp